

G L O S S O P   D A L E   R U R A L L   D I S T R I C T .

SANITARY AUTHORITY.

REPORT

OF THE

LATE MEDICAL OFFICER OF HEALTH

for the period

January 1st, 1920, to August 23rd, 1920.

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To,

The Sanitary Authority of the Glossop-Dale Rural District.

Gentlemen,

Having already presented you with twenty two annual reports

I beg leave once more to present a report for a portion of the year 1920. I beg to reiterate the sentiments expressed in a letter recently sent to you, and to wish you every success. As description of the district is more for the Ministry of Health than for the local Authority, and as my report is to be printed along with Dr. Milligan's, I think I may leave such description to the kindness of that gentlemen. Statistics will no doubt, as in recent years, be provided by the Registrar General.

Sanitary circumstances of the district can best be reported on when the Inspector has made up his books for the year. I think I may leave these with full confidence to Dr. Milligan, and thank him in anticipation.



(3).

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

The infectious disease notified in the district during the period were as follows:-

	Small pox	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Fever	Erysipelas	Influenzal Pneumonia	Pneumonia	Ophthalmia neonatorum	Malaria	Polio-Myelitis	Pulmonary Tuberculosis	Other forms of Tuberculosis
Number Notified.	0	1	2	2	1	0	1	2	0	0	0	3	1
Removed to Hospital.	0	0	1	2	0	0	0	0	0	0	0	.	.

There were no cases of Dysentery, Trench Fever, Cerebro-spinal Fever, Polio-encephalitis, or Encephalitis Lethargica notified. Our usual preventive measures were adopted.

Tuberculosis is attended to by the County Authority.

In January I purchased on your account a fresh stock of Diphtheria Antitoxin, part to be kept by me in Glossop, and part to be in the hands of Mr. Giles of Marple Bridge. In January I had notice that a gentleman had gone to Marple Bridge after travelling in a ship infected with Smallpox. I investigated the case and found that all was right.

Early in January there was an outbreak of Measles at Marple Bridge (Ludworth). No school closure was required, and by the end of the month the epidemic was subsiding.

On May 31st, 1920, St John's School at Charlesworth was closed until June 14th. 24 cases of Measles connected with the School were known of. This school had afterwards to be closed until June 21st. Leaflets on Measles were distributed throughout the district.

On June 21st I visited Marple Bridge, and found that no epidemic was known of at the Council School.



(4)

On June 4th Chisworth School was closed until June 21st. 18 cases of measles connected with the School were known of. This school had subsequently to be closed until June 28th.

On June 10th the British School, Charlesworth was closed until June 28th.

The epidemic subsided without any further closure of schools in the Rural District.

#### HOUSING.

On February 6th in company with Mr.Storey the Inspector, I visited, and inspected eight houses in Chisworth. I subsequently reported on them to you. House shortage impedes action on such report.

On July 13th I visited, and inspected a house in Charlesworth into which water was said to be, and in wet weather no doubt was percolating. I subsequently had a consultation with the Inspector with regard to it. The matter is still in hand.

On August 27th in company with Dr.Milligan and the Inspector I visited property at Marple Bridge which was in an insanitary condition.

I think we were agreed that the remedy was closure, when alternative accommodation could be obtained.

I have to thank Mr.Storey for revising this report.

I am, Gentlemen,

Yours truly,

Duncan J.Mackenzie M.D.,

Loch Marree House, Glossep.  
September 20th, 1920.



The first part of the paper is devoted to a general discussion of the problem. It is shown that the problem is of great importance in the theory of the structure of the universe. The second part of the paper is devoted to a detailed discussion of the problem. It is shown that the problem is of great importance in the theory of the structure of the universe.

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GLOSSOP DALE RURAL DISTRICT COUNCIL.

Health Department,  
38 Norfolk Street,  
Glossop.  
May, 1921.

To,  
The Chairman and Members of the  
Glossop Dale Rural District Council.

Gentlemen,

I hereby submit to you my first Annual Report, that  
for the year 1920.

I take this opportunity to thank you for the courteous  
and kindly reception you gave me on taking up my duties, and to thank  
your officials, Mr.C.F.V.Fenton, Clerk, and Mr.Charles E.Storey,  
Surveyor and Sanitary Inspector, for the kindly help and assistance  
they have given me, and I desire to extend the same to my predecessor  
Dr.D.J.Mackenzie.

I commenced work on August 23rd ( or to be more exact  
on August 21st when I visited the extreme western side of the district  
in the company of Dr.Mackenzie and Mr.Storey).

Dr.Mackenzie in his report, which is appended, gives  
details of the work for the year up to that date (August 23rd).

The chief matters of interest during the year have been  
the working out of the details of the new housing scheme (now held  
up) and the application for extension to the district of certain  
sections of the Public Health Acts Amendment Act, 1907.

In the parish of Ludworth the extension of the Act  
has been asked for, so that rapid conversion from the conservancy to  
the water carriage system of sewage disposal may be carried out, and I  
trust this will be done in the not too far future.

The change is needed and I have no hesitation in saying  
that when completed it will help materially to improve the health of  
the area, particularly if it is accompanied by the inauguration of a  
proper system of public scavenging.

It is my earnest desire in carrying out my duties to  
do my best to improve the general health of the community, and in so





so  
doing, I feel sure I have your cordial goodwill and support.

Glossop Dale and the country in the immediate vicinity has scenic beauties surpassed by few places in England, and in time to come I feel sure it will be come a favourite residential district; in letting it become so, we must see that the health conditions are good and that the beauties of nature are not defaced.

Your obedient Servant,

E.H.Marcus Milligan M.D.,D.P.H.

Medical Officer of Health.



GLOSSOP DALE RURAL DISTRICT COUNCIL.

## ANNUAL REPORT OF THE MEDICAL OFFICER

## OF HEALTH

for the year

1920.NATURAL AND SOCIAL CONDITIONS.

Area (Land and Water)	17,891 acres
Elevation	263-2036 feet

The physical features of the district and the occupation of the inhabitants were given in Dr. Mackenzie's report for last year.

RELIEF STATISTICS.

The amount spent in Out-Door Relief during the year was as follows:-

Charlesworth	£120 : 9 : 3
Chisworth	14 : 3 : 6
Ludworth	24 : 12 : 11

Total for Rural District.	<u>167 : 5 : 8</u>
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The Union Infirmary is available for the sick poor in the area, and the voluntary hospitals in Manchester and Stockport are also available.

VITAL STATISTICS.

Population	1901 (Census)	4,151.
"	1911 (Census)	4,010.
"	1920 (Estimated)	3,750.



Birth Rates and Death Rates etc for 1920.

Year	Area.	Birth Rate	Death Rate	Zymotic Death Rate.	Death Rate Intestinal & Diarrhoeal Diseases.	Phthisis Death Rate	Respiratory Death Rate	Infantile Mortality
1918.	Glossop Dale.	10.41	16.04	1.16	.29	1.16	1.46	25.0
	Average for Rural Districts in Derbyshire.	21.44	16.6	.90	.26	.90	2.81	90.1
	England & Wales	17.7	17.6	.98	-	2.03	-	97.0
1919	Glossop Dale	11.72	13.59	.85	.27	-	3.60	136.3
	Average for Rural Districts in Derbyshire.	21.11	13.24	.44	.20	.74	2.49	96.5
	England & Wales	18.5	13.8	.53	-	-	1.55	89.0.
1920.	Glossop Dale	15.20	9.06	.27	-	.80	1.53	17.55
	Average for Rural Districts in Derbyshire.	23.1	11.35	.71	.23	.54	2.02	82.29
	England & Wales	25.4	12.4	-	-	-	-	80.0

BIRTHS, 1920.

	Males.	Females.
Legitimate	27	29
Illegitimate	1	0
Total.	<u>28.</u>	<u>29.</u>

Infant Mortality.

Deaths under 1 year      1 Legitimate female.  
Rate per 1000      17.53

For a small area the infantile mortality rate is bound to vary and any just estimate would have to extend over a number of years.





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DEATHS DURING 1920.Tabulated according to Disease and Sex.

Causes of Death.	Males.	Females.
All Causes.	15	19
1. Enteric Fever ... ..	-	-
2. Small-pox ... ..	-	-
3. Measles ... ..	-	-
4. Scarlet Fever ... ..	-	-
5. Whooping Cough ... ..	-	-
6. Diphtheria and Croup ... ..	1	-
7. Influenza ... ..	-	1
8. Erysipelas ... ..	-	-
9. Pulmonary Tuberculosis... ..	1	2
10. Tuberculous Meningitis... ..	-	-
11. Other tuberculous diseases ... ..	1	-
12. Cancer, malignant disease ... ..	3	6
13. Rheumatic fever ... ..	1	-
14. Meningitis ... ..	-	-
15. Organic Heart disease ... ..	-	-
16. Bronchitis ... ..	1	1
17. Phneumonia(all forms)... ..	2	1
18. Other respiratory diseases ... ..	-	-
19. Diarrhoea &c (under 2 years) ... ..	-	-
20. Appendicitis and typhlitis ... ..	-	-
21. Cirrhosis of liver ... ..	-	-
22. Alcoholism ... ..	-	-
22a. Nephritis and Bright's disease... ..	1	2
23. Puerperal fever ... ..	-	-
24. Parturition, apart from puerperal fever.-	-	1
25. Congenital debility &c.. ... ..	-	-
26. Violence, apart from suicide ... ..	-	-
27. Suicide ... ..	-	-
28. Other defined diseases.. ... ..	4	5
29. Causes ill-defined or unknown ... ..	-	-
Special Causes (included above)		
Cerebro spinal fever ... ..	0	0
Poliomyelitis... ..	0	0

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DEATHS AT ALL AGES.

Cancer was the cause of the largest number of deaths.

Males. 3. Females. 6.

Respiratory Disease caused 5 deaths as follows:-

	Males.	Females.
Bronchitis	1	1
Pneumonia (All forms)	2.	1.

Notifiable Disease caused Deaths as follows:-

Diphtheria	1
Pneumonia	3
Tuberculosis	4 (Pulmonary 3.)

WATER SUPPLY.

Houses supplied from public sources:-

Charlesworth and)	
Chisworth )	361.
(of which there are in Gamesley)	
	123.

Ludworth.	406.
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Total.	<u>767.</u>
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Total houses in the district. 1010.

The supply for Charlesworth and Chisworth is at present sufficient, and the corrosive state of the mains in Chisworth has now been remedied.





In Ludworth, there is insufficiency at Lane Ends, and in other parts of the Parish the supply is not sufficient to allow for conversion to the water carriage system.

Endeavours are being made to increase the supply, borings being made for springs.

The houses in Lane Ends supplied from a private supply are frequently short of water in the dry months, in addition the water has been examined and marked as suspicious by the Public Health Laboratory, Manchester. Well water in the gathering area of this water was also examined and condemned.

Two cases of Typhoid Fever occurred on the Farm supplied by it.

The supply for the houses in the upper part of Town Lane, Charlesworth is obtained from a small reservoir, on examination of this reservoir I found it was overgrown with weeds and insufficiently protected from cattle in the neighbouring field. These defects were remedied by Lord Howard. The houses supplied from this reservoir obtain the water from an open well by the roadside adjacent to which there is a drinking trough for cattle, the water however is in constant motion. This water was analysed and a small number of bacteria were found.

Bacillus coli not found in 15 cc, but present in 100cc.

Number of Colonies ) in one Gramme of Water)		Kinds of Bacteria
Liquefying	5.	1.
Non-Liquefying.	6.	3.

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#### RIVERS AND STREAMS.

House drainages discharge into the streams and no doubt a certain amount of pollution occurs.

#### Drainage and Sewage.

There are sewers in Ludworth but none in the other Parishes.

Sewers should be provided in the more urban parts of Charlesworth parish, particularly in Gamesley.

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CLOSET ACCOMMODATION.

<u>Privy Middens.</u>	<u>Pails.</u>	<u>Water Closets.</u>	<u>Slop-water Closets.</u>
489.	39.	126.	12.

Two defective privies were improved during the year.

In the parish of Ludworth application has been made to have the powers under the Public Health Acts Amendment Act, 1907, extended to the Parish to enable conversion to the water carriage system to be carried out.

Conversion will entail additional water supply.

The question of conversion of the privies to W.C.'s in the more urban parts of Charlesworth should receive earnest consideration.

SCAVENGING.

Refuse is in most cases removed by farmers.

Privy middens or ashpits are the usual receptacles used.

In the more rural parts of the districts public scavenging would be extremely costly. In the more urban parts, particularly in Ludworth and part of Charlesworth, the question of public scavenging should be given earnest consideration.

SANITARY INSPECTIONS.

680 Inspections were made by the Inspector of Nuisances relating to Drainage, Closet, Ashpit, Yards, Offensive accumulations, Dairies, Cow-sheds, Bakehouses, Infected Houses, Factories, Dwelling-houses etc

60 Informal and 2 Legal Notices were served to abate the following nuisances and defects:-

	Informal Notices Served.	Legal Notices	Nuisances abated.
Drainage:			
Defective Traps, Inlets and Drains.	7	1	-
No disconnection of Waste pipes.	4	-	-
Closets and Ashpits:			
Insanitary Privies, Pail Closets &c	21	-	13.
Additional Closet Accommodation	2	-	2.
Other defects:			
Paving of Courts and Yards	4	-	-
Eaves, Spouts and Down Spouts	6	-	1
Water Supplies	1	1	1
Offensive Accumulations	18	-	18
Nuisances not specified above	6	-	-
Total.	69	2	35.

THE HISTORY OF THE

REIGN OF KING CHARLES THE FIRST

IN THE YEAR 1649

BY JOHN BURNET

OF THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

LONDON

Printed by J. Streater, at the Sign of the Gun, in St. Dunstons Church-yard

1704

By Authority

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1704

FACTORIES AND WORKSHOPS.

There were 8 inspections and notices were served to remedy the sanitary arrangements at one factory.

The water supply of Best Hill Mills was analysed and found to be good.

SCHOOLS.

The Ludworth schools have W.C's, the two schools in Charlesworth and the School in Chisworth have pail closets.

The Water supply is from Lord Howard's reservoirs.

The school at Ludworth is a good modern school with a large paved playground, the surface of the playground was uneven in several places, and new dust bins were required, but these are minor defects.

Notices are sent re cases of Infectious Disease and contacts of such to the Head Teachers, also to Sunday School Superintendents.

FOODS.Milk Supply:-

Number of Cow-keepers registered 71.

Number of Cows (approximately) 400.

Cubic space per Cow from 265-750 cubic feet.

There are no Milk Sellers who are not Cow-keepers in the district.

Inspections:-	Number registered.	Inspections made.	Defects found.	Remedied
Cow-houses (shippens)	150	110	3	-
Dairies (attached to farms)	71	10	-	-

Very little farm house milk is kept in dairies, as a rule it is delivered immediately after milking.

No cows were found to have tubercular udders.

Bakehouses.

Number of Bakehouses.	Inspections.
10.	20.

No defects were found and the Inspector reports all were very clean.





SLAUGHTER HOUSES.

Places where animals are slaughtered were inspected, ( 12 inspections) and the conditions were found satisfactory.

I am of opinion, application should be made to have powers for the registration of slaughter houses in this district.

OFFENSIVE TRADES.

One Knackers Yard was inspected and found clean.

There was a suspicion that meat from the yard was being sold for human consumption and the matter is receiving attention.

INFECTIOUS DISEASES.

The following table will give details regarding the occurrence of infectious diseases:-

	Notified.	Removed to Hospital.
Tuberculosis (Lung)	6	3
Tuberculosis (Other)	3	0
Smallpox	0	0
Scarlet Fever	3	1
Diphtheria	4	3
Enteric	3	3
Puerperal Fever	1	0
Cerebro-Spinal Fever	0	0
Erysipelas	0	0
Ophthalmia Neonatorum	0	0
Encephalitic Lethargica	0	0
Other Diseases	4	0
(Influenzal Pneumonia)	1	0
(Other Pneumonia)	3	0

The cases are visited by the Medical Officer, Sanitary Inspector or both, and the Medical Officer decides re removal or otherwise.

The High Peak Hospital is available for Scarlet Fever, Diphtheria, Smallpox, and Typhoid Fever.

Seven cases were removed to hospital during the year.

Antitoxin and Disinfectants are supplied free in necessitous cases.

Printed instructions are given regarding the precautions that should be taken to prevent the spread of the disease etc.

There is no Steam Disinfecter in the district.



Two cases of Typhoid Fever which occurred in a farm house at Ludworth Moor at a place frequented by "Gutters" were visited by me, The water supply was found polluted (on examination at Manchester University) and excreta from the persons affected was thrown in a privy midden which overflowed into the adjacent field where fowl and cattle could easily come in contact with it.

Precautions were taken to prevent the spread of the disease and no further cases occurred.

#### Tuberculosis.

Six cases of Pulmonary Tuberculosis were notified, and three removed to Sanatorium. Three other forms of Tuberculosis were notified. The number of cases resident in the district was estimated on 31st December, 1920, to be:-

Pulmonary Tuberculosis	40.
Other Forms of Tuberculosis	12.

This estimation owing to the fact that information regarding removals was not available can not be considered as accurate.

Closer co-ordination with the County Council is required and the matter is at present under consideration.

#### HOUSING.

Owing to my short time in office, I am not in a position to state fully the requirements of the district.

A considerable number of inspections are now being carried out, and it is hoped that in next year's report more definite details will be given.

The general housing conditions must be governed by the character of the area, this is largely a rural area; in Ludworth especially, however, and in part of Charlesworth, part of the population is residential.

The Rural District is joining with Manchester and other adjacent districts in the drawing up of a comprehensive Town Planning Scheme over a wide area, and in the near future this may have an important bearing upon many matters particularly housing and main roads.





(13)

The present needs as to additional housing as far as can at present be seen, will be met by the Council's scheme.

It is proposed to build 40 houses distributed as follows:-

Charlesworth (Gamesley)	8	class A.	houses.
Charlesworth	8	"	"
Chisworth.	8	"	"
Ludworth (No 1.)	4	"	B.
Ludworth (No.2.)	12	"	A.

One point it is my duty to mention:-

There is a feeling of mistrust as to the payment by the Government of the subsidy, and the guarantee that no expenses beyond the rate will be incurred; there should be given at the very earliest moment a definite guarantee on this matter to the Authorities concerned.

The Council's fears have not in any way been lessened by answers to queries on the matter or by the holding up of their scheme which I have reason to believe was being enthusiastically pushed on.

Blowing hot and cold at different times and by different persons is not the best stimulus to local effort.

#### Fitness of Houses.

Speaking in a very general sense the chief defects are, as regards general repairs, dampness and the sanitary accommodation.

More specific details will be given on the completion of the present inspections.

#### Unhealthy Areas.

There are no areas I am at present aware of that require representation or concerning which action should be taken.

#### BYELAWS.

These were given in last year's report.

I am, Gentlemen,

Yours truly,

E.H.M. Milligan M.D., D.P.  
Medical Officer of  
Health.

Norfolk Street, Glossop,  
March 30th, 1921.

